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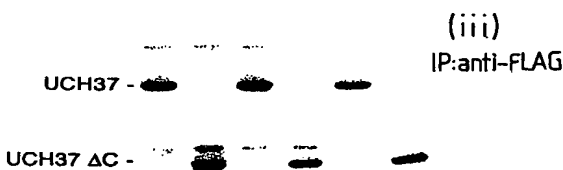
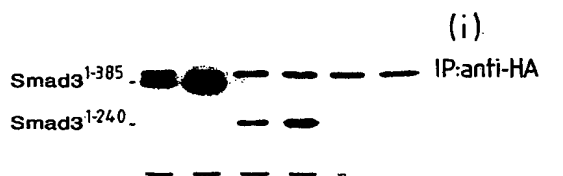
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(54) Title: USE OF SUBSTANCES INHIBITING THE ASSOCIATION OF SMAD PROTEIN WITH UBIQUITIN C-TERMINAL HYDROLASE FOR ALTERING CELLULAR RESPONSES TO TGF-BETA OR BMP



HA-Smad3 (1-385)	+	+	-	-	-	-
HA-Smad3 (1-240)	-	-	+	+	-	-
HA-Smad3 (1-144)	-	-	-	-	+	+
UCH37 FLAG	+	-	+	-	-	-
UCH37 ΔC FLAG	-	+	-	+	-	+

(57) Abstract: Disclosed is a pharmaceutical composition for altering cellular responses to TGFβs and/or BMPs; the composition comprising a molecule which prevents, inhibits or reduces the association of a Smad protein with a UCH, in admixture with a physiologically acceptable carrier, excipient or diluent.



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